

## HOLMAN, HALTIWANGER, DORNEANU & DRAKE

# SUPPLEMENTAL ARTICLES & PAPERS

to accompany

CANCER: Considerations for a Strategic & Targeted Approach to Guided Self-Treatment





## WORK IN PROGRESS

This document and related supplement are being made available for information and review purposes and should not be considered a "completed" document. Much of the information contained within is requested of us on a daily basis. While this remains a work in progress, we welcome your comments and feedback and hope it helps assist you in your considerations and decisions.

Many of the papers referenced in *CANCER: Considerations for a Strategic & Targeted Approach to Guided Self-Treatment* are included here for the reader's convenience. The most recent and up to date versions and even more informative content may be found on the PulsedTechResearch.com website in "The Electric Human"

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## Factors that Slow Recovery

A fast recovery is not always possible or necessarily desirable when dealing with many issues, especially ones of pathogenic or parasitic origin. Typically these situations of concern developed over a long period of time and have also been already unsuccessfully treated conventionally over a long period of time. The problems are often no longer localized, but systemic by the time the end-user takes matters of health into his own hands.

There are many factors that can cause someone to see slow or even no progress with their recovery. Slow or retarded recovery is often a symptom of additional issues that may also need to be addressed. Often, these issues are one that may have been compounded as a result of earlier treatments and ones in which the user may simply be unaware.

#### **UNREALISTIC EXPECTATIONS**

As ridiculous as this might sound, there truly are those who believe in the "magic box" scenario, that is, the electronic black box is a magic cure-all for their problems. Admittedly, they may have come from an environment where that might have been suggested. There most definitely ARE unscrupulous dealers of devices that make all sorts of unfounded claims and suggestions preying on the sick and desperate. If the seller is focusing more on the myth and legend of Rife without making available pertinent strategies that would be applicable, this is a good indication you may want to look elsewhere. One needs to realistically look at the instrument as a



tool to assist in whatever strategy of attack is being prepared for your individual requirements. It should be realistically expected that the path to recovery and wellness will be a combination of many things that are changing, evolving and that may not even present themselves until further into sessions.

#### **HEALTHY LIFESTYLE**



Without maintaining an overall healthier lifestyle throughout the duration of treatment or investigation, someone's work with frequency instruments would, in essence, be pointless.

A person must remain dedicated to repairing their health in every way if they wish to fully recover from illness; meaning that they will have to avoid many old and unhealthy habits and adjust to new routines and lifestyle as well.



#### Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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## SOME OF THE FACTORS THAT CAN SLOW OR PREVENT RECOVERY

#### Poor health habits that include

- Inadequate exercise
- Smoking
- Drinking alcohol
- Eating processed snack foods and cakes
- Chronic exposure to dangerous chemicals, pesticides or poisons (through work or outdoor recreation)
- Taking prescriptions that may produce side effects which counter progress



#### **Recontamination**

These issues above pretty much need little explanation. The continued toxic (re)contamination of one or more of these abuses is very often the underlying cause or trigger of the very issue being addresses. Until the underlying cause is removed, it is very unlikely the resulting issue and symptoms can be completely addressed or reversed.

#### **Poor Subject Compliance**

Irregular treatment can also slow recovery. A person may not know the importance of carrying out regular sessions even after their symptoms have disappeared. Otherwise, they may suffer a relapse of illness or get incomplete results.



Both pathogenic and parasitic organisms often being targeted have offspring, often mutated slightly in frequency from their parents. Poor or irregular scheduling is important to do a complete and thorough job of targeted devitalization.

It is important to schedule and dedicate time within each day to apply a full session or sessions as part of your daily routine. For almost every issue this should NOT be done late at night or during sleep.

Although using a contact instruments such as the PFG2z requires the user to be tethered to the

equipment, plasma equipment as the P3 series does not. Most users find the computer or TV time sufficient for most needs. However, serious issues may require extended application times. In those cases a radiant application method may be more appropriate.

The proper selection of instrument for your unique needs and lifestyle often make the difference on how convenient and regularly it is used, thus also understandably equating to how effective and timely a recovery occurs.

#### Detox

Neglecting to detoxify the body and replenish lost vitamins and nutrients would also hinder a user's progress as well. If a person does this and also suffers a relapse, they may then often blame the treatment methods instead of their own poor compliance with the regimen.

#### Organ dysfunction caused by previous injury or other therapy

- Someone may have no control over previous damage caused by trauma, disease, or surgery, which may leave a fragile patient with less vital organ capacity than what they need to recover (or even survive).
- Chemotherapy may eliminate tumors quickly at first. However, it leaves metabolic pathways blocked and kills good cells in good organs and other areas of the body; creating secondary tumors as well.
- Chemotherapy often may leave someone susceptible to death from heart damage (some believe virtually guaranteed with Adriamycin), pneumonia and kidney infection (due to immune system damage), and uncontrolled secondary recurring tumors (which may become practically immune to chemotherapy once it has blocked metabolic pathways).



#### Malnutrition and impaired cell chemistry

- Nutritionally compromised or inferior tissues can be colonized by silent, low-level infections of viruses, fungi, parasites, and bacteria.
- Although raw fruits and vegetables can help to strengthen your immune system, they are still unable to kill a microbe. Therefore, if the primary cause is nutritional deficiency and its resulting symptoms, then only a good diet will help them to full recovery.
- Metabolic defects caused by exposure to toxins or other issues such as inherited disease may also produce unsatisfactory results. It may help to routinely use detoxification frequencies as well.

Note: it is possible to be overweight and malnourished. A healthy, vitamin rich diet is important to a prolonged recovery.

#### **Miscellaneous factors:**

- Age
- Congenital disease
- Prior frail health
- Machine operation incompetence
- Unsupportive relatives (frequently hostile to alternatives)
- Make sure that any other forms of therapy used do not conflict with each other or the bio-active frequency therapy.



## Impact of Diet and Speeding Recovery



resonant frequency based modalities for health assistance. A person's diet is one of the most important factors in their recovery, and can sometimes even determine

- whether they have a successful outcome. The overall poor diet which humans have adopted over time that is high in processed foods and
  - therefore low in required nutrients has only contributed to the degeneration of illness.
  - In the most recent centuries, humans have greatly changed their diets from having a full amount of raw and natural foods to a diet that consists mostly of processed foods incapable of replenishing what our cells require for continued healthy growth.
  - Although human lifestyle and diet may have changed drastically over these years, human DNA has not ٠ and still struggles to replace the nutrients missing in processed and some cooked foods.
  - The Price-Pottenger Foundation of San Diego has recorded that every primitive tribe studied develops diseases – formerly unknown in its entire history – when beginning the use of "civilized" cooked foods.
  - If science ever were successful in discovering the replacement of all of the hundreds of thousands of enzymes that raw foods offer, humans would still face degenerative disease caused by changes in diet. Raw foods contain specific substances for rapid cell repair.
  - Although raw food will not substitute as a cure for someone's illness, it may help to strengthen the immune system. Raw foods provide the best materials to repair the damages of chronic illness.
  - Genetically modified foods should be avoided COMPLETELY!



"The natural healing force within each of us is the greatest force in getting well."

**Hippocrates** 

#### Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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#### **TIPS FOR RAW FOOD EATING**

- Diversity is essential when eating raw foods, and as many types as possible should be eaten as well.
- The more types of raw food someone eats means that they will take in more of the minerals and bio-chemicals that fuel the body and help it to fight disease. The modern diet, very limited in vegetables and sources of proteins, is almost certain to cause more deficiencies with health because it is mostly synthetic and inorganic; incompatible with the needs of the human body, from overall to the cellular level.

#### • TRY THIS:

Making smoothies and raw vegetable drinks is much faster than cooking those same foods.

- In about 5 minutes, you can blend frozen berries, bananas; pure fruit juices, etc. (while leaving out the added sugar) and also add raw kefir to your blend.
- Try a blend of 1.5 cups of water with a variety of sliced vegetables in a blender.



• For protein, add a fresh raw egg or premium protein powder to your mix.

#### **Additional Consideration**

It is important to consider these electronic modalities may also beneficially assist in delivery, absorption, processing, and utilization of these natural "medicines". The natural energies within us are the true healers of disease!



"A wise man should consider that health is the greatest of human blessings, and learn how by his own thought to derive benefit from his illnesses."

Hippocrates

Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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## Mistakes that Can Prevent Successful Recovery



A patient may potentially encounter a plateau or even reversal in their recovery process for a variety reasons. Some situations if not corrected can, over time, create a situation where by a recovery may become difficult or even impossible. The equipment a person may be using might or might not be appropriate for their intended use. Careful thought, planning, education, and consideration can help guide a person away from making these all too common mistakes.

It is pertinent to consider a few very important factors in order to prevent this:

#### Make sure to USE THE CORRECT FREQUENCIES.

This is one of the most common mistakes made by beginning users and unfamiliar practitioners. The wrong frequency could cause a targeted pathogen to respond negatively and may further spread or mutate. Mindless acceptance of unknown "codes" as opposed to precision frequencies, might be acceptable for simple and short term cases. However, combined with the devices inability to address critical adjacent frequencies may actually doom a person to eventual failure.<sup>1</sup>



#### Is the subject using the CORRECT FREQUENCIES in the WRONG LOCATION?



The targeted organ or tissue or even deployment strategy will determine where your contact electrodes should be placed. There are of course many strategic variables which may easily be worked out with the skills and guidance of a competent practitioner.<sup>2</sup>

**REMEMBER:** If one considers the pathway from one electrode to the other through the body this should help strategically plan appropriate placement be it full body or very localized targeting. In some cases, one of the

electrodes may even be placed directly over a wound or target area with the other being directly behind or nearby to maximize signal delivery.



<sup>1</sup> Precision Frequencies vs Unknown Codes, http://www.pulsedtechresearch.com/wp-content/uploads/2015/01/Precision-Frequencies-vs-Unknown-Codes-1-Holman.pdf

<sup>&</sup>lt;sup>2</sup> Where do I place the electrode pads?, http://www.pulsedtechresearch.com/wp-content/uploads/2015/01/Where-do-I-place-the-electrode-pads-Holman-1.pdf



#### Are HYDRATION and DRAINAGE adequate?

Toxins will produce more symptoms the longer they are allowed to build up. Effective destructive targeting of pathogens creates even more toxins and debris within the body. Flush them away quickly by drinking plenty of water.<sup>3</sup> This simple concept can't be emphasized enough!

# Are there TOO MANY FREQUENCIES or being USED FOR TOO LONG?

This problem may only occur for the first several sessions before a user becomes more familiar with their equipment. This can cause an effect similar to that of inadequate drainage or elimination typically representing mild flu-like symptoms.

Pushing yourself too hard in the beginning may put too much stress on the body. It could weaken the body further, and its defenses against toxins and their debris caused from treatment.



This experience largely comes as a result of an over-zealous individual understandably ready to get rid of the problem, not realizing how effective it can be. Remember, your system is usually at its worst when you begin. As die-off occurs and is processed out of the body, ideally there should be less and less of a reaction allowing for extended and more extensive sessions over time with little to no reaction.

#### Were sessions DISCONTINUED TOO SOON?

**REMEMBER:** In order to maintain optimal health afterward, therapy should continue even after someone's symptoms have disappeared.

If a patient ends their treatment too soon, they could suffer a total relapse of illness or even the onset of new disease and symptoms.

Probably the most common MISTAKE users make is to discontinue regular application too soon. This is understandable because the person probably feels fine and in pathogenic, parasitic, and even cancerous situations they likely HAVE killed off 98-99% of the intended targets. Those remaining 1-2% are mutant forms, likely unaffected by the current protocols. It is at this time the numbers should be adjusted to each side of the existing numbers to "complete the kill-off".



A bit of thought and consideration of these common user mistakes should allow you to develop your own effective protocol and to recognize what is appropriate for your unique situation and long term needs!

<sup>&</sup>lt;sup>3</sup> Water & Water Quality, http://www.pulsedtechresearch.com/wp-content/uploads/2015/01/Water-Water-Quality-Holman.pdf

## Parasites



*We all have parasites!* The parasitic load however can vary greatly from person to person, environment to environment. A healthy body can tolerably host a small degree of some of these uninvited invaders, but some, even in small numbers, can be extremely dangerous.

Parasitic diseases in humans are caused by protozoans and helminthes. *Entamoeba histolytica* is, possibly, the most pathogenic amoeba for humans. Humans are the primary host for this pathogen.<sup>1</sup> Many of these collectively innocent-looking creatures can be devastatingly deadly at the worst, but even in a "best-case" scenario, they are still robbing YOU of needed nutrients, energy, and overall health.

#### **SLOW RECOVERY**

If someone is experiencing difficulty recovering with any substantial therapy, there may be a presence of parasites. Parasites can prevent recovery from any illness – without ever showing any obvious symptoms or appearing in a fecal sample.



### **PROBLEM OF DETECTION AND DIAGNOSIS**

Parasites can often go entirely undetected by ordinary diagnostic tests. Because they can usually be so firmly embedded within the intestine or specific organs, it could take up to as many as 10 purged stool tests to find a single specimen. Parasites can also produce symptoms that may be very similar to those of a specific disease or illness and cause a patient to be misdiagnosed.

A few symptoms caused by parasites often misdiagnosed as disease are:

- Chronic fatigue syndrome, yeast infection, allergy, depression, arthritis, environmental illness, and more.
- This huge variety in symptoms that result from parasites is often a cause for frequent misdiagnosis.



<sup>&</sup>lt;sup>1</sup> Human Parasites, Barbara Krumhardt, Ph.D., http://www.dmacc.edu/instructors/human.htm

## WHY PARASITES GO UNDETECTED

- During certain stages of their life cycle, parasites may migrate through muscles, viscera or blood to vital organs where they create symptoms which resemble other forms of disease so closely that they are usually misdiagnosed.
- Many parasites are undetectable in feces because they release and emerge only when dead.
- Symptoms of parasite infestation are usually indistinguishable from symptoms of disease caused by microbes.



 It is almost impossible to detect parasites migrating through the heart, lungs, liver, thymus, and pancreas; sometimes the only sign of an infected organ is poor function.

## HOW DO WE HELP CONTROL PARASITES?

There are many steps that can be taken to help reduce and prevent daily exposure to parasites. Some of them are:

- Wash hands with soap before eating anything. Microscopic cysts and eggs from pets, snails, and humans are everywhere.
- Soak fruits and vegetables 10 minutes in a Clorox bath (one-half teaspoon for each gallon of water). Then rinse and soak in plain water for another 10 minutes. This can vary a few minutes: less for soft produce (berries and mushrooms); more for hard.
- All meat must be cooked to medium (not medium rare). MICROWAVES DO NOT KILL WORMS IN MOST CASES.



- Two or three cloves, sucked or freshly pulverized before meals, kills many kinds of parasite eggs (not the adults or other stages, however).
- Ceviche, pickled herring, steak tartare and other raw food products carry living parasites, both adults and eggs. If you eat them, they may go undetected and drain the immune system, preventing recovery from cancer and other diseases.
- Experiment with any parasite frequencies available via a selected frequency instrument. Tapeworms have been often been reported in stool shortly after using parasite frequencies.\*

\*Note: It may not be possible to know or target every type of parasite that someone may harbor. However, reducing the overall parasitic load should provide significant relief in most cases.

#### The Major (most common) Parasites of Interest <sup>2</sup>

#### **Protozoans**

Entamoeba histolytica	Amoebic dysentery, bloody stools, and diarrhea with abdominal pain. The organism may				
digests its way through the intestinal wall and invades other organs and the viscera. This form may be fatal.					
Balantinium coli Diarrhea					
Giardia lamblia	Diarrhea and abdominal pain, along with a chronic fatigue syndrome				
Trypanosoma brucei	Sleeping sickness				
Plasmodium sp. (sporozoan)	Malaria				

#### Helminthes

**Ascaris lumbricoides** A parasitic nematode (roundworm). *A. lumbricoides* invades the gastrointestinal tract after consumption of its eggs in contaminated food or drink or from fomites. *A. lumbricoides* migrates from the intestines to the lungs via the bloodstream. It is then swallowed and returned to the small intestine, where it reproduces. A high parasite load can cause nutritional deficiencies, especially in those consuming marginal diets.

*Enterobius vermicularis* This pinworm is spread by consumption of the egg in contaminated food. It reproduces in the intestinal tract, with adult female laying her eggs on the anus.

*Trichuris trichiuria* Heavy parasite loads may result in dysentery in the host.

Fasciola hepaticaThe liver fluke, has a complex life cycle, "normally" requiring water snails asintermediate hosts. Humans and mammals acquire the organism via cyst from contaminated foods. The cysts releaseimmature flukes that migrate to the liver and gallbladder. A high load of the parasite mayobstruct various organ functions.

Taenia sp.Tapeworms or cestodes are consummate examplesof parasitism. Their bodies are reduced to mostly reproductive organs. The "head" of theworm, the scolex, holds on to the intestinal wall. Behind the "head" are proglottids, thepieces of the segmented body of the parasite, which are mainly composed of ovaries andtestes. The most mature proglottids are found near the "tail" of the flattened worm;these release eggs. Larvae may migrate to other tissues and form cysts. They mayinterfere with the function of the affected organ if the parasite load is high.



"Parasitic diseases have an enormous health, social, and economic impact and are a particular problem in tropical regions of the world. Diseases caused by protozoa and helminths, such as malaria and schistosomiasis, are the cause of most parasite related morbidity and mortality, with an estimated 1.1 million combined deaths annually. The global burden of these diseases is exacerbated by the lack of licensed vaccines, making safe and effective drugs vital to their prevention and treatment. Where drugs are available, their usefulness is being increasingly threatened by parasite drug resistance."<sup>3</sup>

#### Electronic modalities may be the ONLY answer to this increasingly developing worldwide issue!

 $<sup>^2</sup>$  This is an abbreviated summary of a list with micrograph photos compiled by Dr. Barbara Krumhardt, Ph.D. in *Human Parasites*, http://www.dmacc.edu/instructors/human.htm

<sup>&</sup>lt;sup>3</sup> International Journal for Parasitology: Drugs and Drug Resistance, Volume 4, Issue 2, August 2014, Pages 95–111, Drug Repurposing and Human Parasitic Protozoan Diseases

## Personal Progress Journal

Recording your personal progress, your feelings, and details of your sessions and experiments along your path can be invaluable. Having date, records of targets, scripts, progress notes, etc in one place for easy comparison is not only helpful in getting you as a user into a regular routine, it also helps you monitor and incrementally assess your progress and identify where more work might be beneficial. This collected information can also be tremendously convenient and important to a practitioner monitoring your progress.

If you are fortunate enough to have these sort of capabilities built in to your software (such as the new (soon to be released) PFG Lab2 software suite) this is a very easy step. If not, there are several very simple solutions!

The Moleskine specialized notebooks are great for recording status and progress over time. Besides the quality plain and lined journal notebooks they are well known for, they have specialized notebooks such as their "Wellness Journal" which is Ideal for recording and monitoring progress makes it easy to keep health log data in one place for collaboration and comparison or for practitioner monitoring

A simple computerized log or daily diary is easy enough to do with almost any simple diary program. Of course the information collected needs to conform to your particular needs. Understandably this can change over time.



Even a simple page as the weekly sample on next page should suffice. Feel free to print, copy, and modify as needed for your particular use the Weekly "Wellness Log" that follows (next page):

#### The ELECTRIC HUMAN – Section 3 – Strategies and Considerations Briefs

Wellness Lo	g	Week of	through	
	_Issue/Concern			
Monday	_Issue/Concern			
Protocol/s Used		Appx Total Time		
Tuesday	_Issue/Concern			
Wednesday	_Issue/Concern			
Protocol/s Used		Appx Total Time		
Results this Day				
Notes/Comments				
Thursday				
Protocol/s Used		Appx Total Time		
Friday	_Issue/Concern			
Saturday	_Issue/Concern			
PulsedTech.com PulsedTechResearch.com	Instrument/s Used (i.e. P3, P3pro, PFG)	Mode (i.e. con	tact/plasma)	

Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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# **Potential Risks of Antibiotics**

An increasingly alarming issue catching the attention of medical authority is the increasing resistance that bacteria are developing to fight against antibiotics. Excessive consumption and unnecessary prescribing have nearly rendered our antibiotic treatments useless as pathogens mutate and become more resistant.

World Health Organization (WHO) Director-General Margaret Chan has even warned that the issue is not something that can be glanced over, and that we are actually moving towards a "post-antibiotic era...An end to modern medicine as we know it."



In a recent article, "The "SuperBugs" are Here"<sup>1</sup>, Holman & Allen discuss in much more detail 'New Solutions and New Strategies to Address Antibiotic Resistance'. (This article with Dr. Chan's Keynote address to WHO is freely available at the URL

below) We may be rapidly approaching a time when "electronic devitalization" may be the only method to address this rapidly increasing dilemma.

#### **SOURCES OF THE PROBLEM**



Much of our food has been grown or raised using antibiotics. Through the consumption of these food products, the antibiotics (many of which were never authorized for human consumption) are transferred to our systems.

Antibiotics fight against bacteria, not viruses. Medical professionals and officials are now realizing that because many doctors have already inappropriately prescribed antibiotics for patients to help with viral health problems. They have inadvertently contributed to the growth of drug-resistant bacteria.

#### **POTENTIAL CONSEQUENCES**

Consequences of antibiotic resistance have led to a possible increase of infections that could also result in: more-serious illness or disability; more deaths from previously treatable illnesses; prolonged recovery; morefrequent or longer hospitalization; more doctor visits; less effective or more invasive treatments; moreexpensive treatments.

#### **MINIMIZING RISK**

A few steps that can be taken to help reduce the growth of resistant bacteria are:

- Use antibiotics only as prescribed by a doctor.
- Take appropriate daily dosage and complete the entire course of treatment.
- Never take antibiotics prescribed for another person.
- Always practice good hygiene and wash hands with soap regularly.
- Never take leftover antibiotics; throw them away.



<sup>&</sup>lt;sup>1</sup> The "SuperBugs" are Here: New Solutions and New Strategies to Address Antibiotic Resistance, Holman & Allen, http://www.pulsedtechresearch.com/wp-content/uploads/2015/02/SuperBugs-are-Here-Solutions-Strategies-Holman-Allen.pdf

## Precision Frequencies vs Unknown Codes

It is an unfortunate fact that many devices being sold as Rife instruments, especially via methods of MLM (multi-level marketing) specifically targeted the ignorant and unsophisticated new user or more specifically those in desperate need. It is not the purpose of this brief example to attack any of these devices but rather to help the potential user recognize the potential dangers and more fully understand the potential problems which may result from what they "don't know YET"





If you have been investigating this technology for any length of time you will likely recognize a devices similar or identical to the ones shown here. These type devices have been advertised and sold broadly, typically via MLM (Multi-Level Marketing) schemes and in the back of many local health and trade fair magazines, etc. For many folks, these were their FIRST introduction to resonant frequency concepts.

While the use of these type devices might seem simple and straight forward to the new user, we will show how what the seller failed to disclose to you is the incredibly important limitation of the device, a limitation which can in all likelihood create a problem FAR WORSE than what you began. It is possibly it may even create an issue which can't be addresses with these devices. Understanding these issues is critical to a well-planned strategy and ultimately successfully results.

If you are using this type of device for ANY sort of pathogenic targeting, it is imperative you understand this issue! ...... YOUR LIFE COULD DEPEND ON IT!



Notice/Disclaimer: The Pulsed Technologies group does not sell or recommend this type of self-treatment device. This information is being provided so that potential users may be better educated and informed before purchasing or using this type device.

These devices were typically distributed with booklets which had sheets of "codes" for various medical afflictions. The illustration below is a typical segment from one of these charts but should help clearly illustrate our points. For our discussions we will be using "Borrelia Burgdorferi (Lyme disease) - Frequency 26" and "Candida Albicans Fungus – Frequency 28" as highlighted below:

Common Parasites & Pathogens	Frequency
Ancylostoma Caninum (roundworm)	54
Ascaris-Lambricoides (hookworm)	104
Borrelia Burgdorferi (Lyme disease)	26
Candida Albicans Fungus	28
Clonorchis Sinencis ( human liver fluke)	112
Eurytrema Pancreaticum (pancreas fluke, found in all diabetes)	102
Erot Sclerotim Fungus	24
Echinococcus Granulosus (larval stage of tapeworm)	30
Escherichi Coli Bacteria (E-Coli)	11
Fasciolopsis Busii-Eggs (human intestinal fluke)	111
Esseicloppin Busii Adult (human intentional flutes)	110



Fasciolopsis Busii-Adult (human intestinal fluke)

An understandable question is: What does "**26**" or "**28**" represent? Is that the frequency?

Unfortunately that is only a storage reference "code" for whatever the manufacturer decided should go there for that particular affliction.

Fortunately the PulsedTech Research team investigated these devices. The results of those and similar aspects of those investigations will be includes in this and other of these "Consideration Briefs".

The table below shows our findings on the first 50 or so programmed numbers. We used redundant state-of-the-art measuring and monitoring instruments to determine precise output. Those findings are shown here:

Code	# / Act. Freq.	Code	e# / Act. Freq.	Code#	/ Act. Freq.	Code#	/ Act. Freq.	Code#	/ Act. Freq.	Code#	/ Act. Freq.
1	10k	11	1.5-1.6k?	21	700	31	380	41	148	51	47.5
2	1.1k	12	1.5k	22	690	32	330	42	125	52	45
3	3k	13	1000	23	685	33	320	43	110	53	40
4	2.7k	14	880	24	666	34	250	44	100	54	35
5	2.5k	15	832	25	650	35	240	45	95	55	28
6	2.2k	16	802	<mark>26</mark>	<mark>625</mark>	36	230	46	80	56	27.5
7	2.1k	17	787	27	600	37	220	47	73	57	26
8	2.0k	18	775.4-776.4	<mark>28</mark>	465	38	200	48	72	58	20
9	1.8k	19	760	29	444	39	190	49	60	59	18
10	1.6k	20	727	30	410	40	160	50	48	60	12
(All fre	quencies in Hz)									61	10*

\*Below 10Hz there were problems with accurate and/or stable measurement

Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

Copyright 2015, Pulsed Technology Research, all rights reserved. This article and art may be freely distributed without notice for non-commercial use only if used in complete and unedited form. All graphics and photos have been provided by license or permission of Pulsed Technologies Research, LLC 123rf and CanStockPhoto. www.PulsedTechResearch.com We can see from the measured output that the single and only frequency provided for

#### Borrelia Burgdorferi (Lyme disease) (Frequency 26) is 625 Hz and

## Candida Albicans Fungus (Frequency 28) is 465 Hz.

Some of the very first biological work directed by Pulsed Technologies was specifically identifying effective MORs for Candida. A booklet on that work was made freely available which described the strategy, the



processes, each and every frequency used and the individual results. This was tremendously tedious, time consuming and expensive, but it did identify frequencies of value and those which appeared to have NONE! Like most other folks, we have found a large percentage of the publicly available frequency lists to have limited value.

The referenced Candida document is located within the Protocol area of *The Electric Human* 



There were several unexpected revelations we discovered in this study. That assessment reported and this slide clearly indicated, (from the publically available frequency lists) "**464 Hz** was the first identified and validate sub-harmonic indicated in these sessions to have any value". Although only 1 Hz difference, as you can clearly see

**465 Hz** was also tested with absolutely **NO RESPONSE WHATSOEVER!** Close does not count!

If this Candida mutated enough, the frequency generated form these "Hidden code" type machines might address and affect those mutations toward the 465 Hz but never would be able to address those mutations on the 463 Hz region. Exposure of any pathogen **encourages further mutation** which occurs as a protective measure.

This scenario is what makes the Borrelia Burgdorferi (Lyme disease) single frequency so disturbing and why it is utilized as our next and even more important example.

Note: While we would personally never use frequencies this



low, our research has clearly indicated effective MOR (Mortal Oscillatory Rates) are actually much higher in frequency. For the purpose of this segment of this discussion we will assume 625 is the EXACT frequency (it IS NOT!)

As mentioned before, exposure encourages mutation. Mutations occur close to the original MOR but range far enough from the original frequency to not be affected by exposure.

The "26" ...or more specifically **625 Hz** is the ONLY programmed number in these units. "25" **650 Hz** and "26" **600 Hz** are the closest adjacent frequencies able to be used to address those mutation.

When you consider this realistic scenario, you can see that by use ONLY this type device, you can easily create a problem much large than the original and one for which the device will be useless.

It is incredibly important to utilize an instrument capable of incredible precision and control









Shown here were experiments sucessfully addressing specific worst case scenerio MRSAs (Methicillin-Resistant Staphylococcus Aureus .... the Drug resistant "superbugs" plaguing hospitals)

## Radiant Plasma vs. Direct Contact



The decision to use Radiant Plasma or Direct Contact for resonant frequency application and experimentation is one many or faced with. When deciding between contact and radiant plasma modalities, a user would benefit greatly from a consultation with a licensed or experienced practitioner who can lend informed suggestions. A reputable company that offers both types is also a viable source for comparative information, and may be able to point out the "pros and cons" inherent in the clients stated situation. One should NOT assume that expensive is better!

#### **Limitations of Equipment**

Knowing the target and understanding instrument limitations such as frequency ranges, waveform characteristics, and programmability is important in making informed equipment selection and application strategies.



#### Local or Systemic Nature of Target

Contact electrodes are an ideal choice in many situations. In dealing with cases such as arthritic joint pain, an accessible breast tumor, skin problems, etc., strategically placed electrodes often times prove far more effective of an application method than the radiant modalities.

#### **Environment/ Activity Level / Lifestyle**

When targeting whole body scenarios, or in environments where multiple or group recipients are involved, radiant plasma methods become the logical if not only practical choice available.

The convenience of use and an appropriate environment where it will be easily used on a regular basis often become a more important part of the selection criteria.



#### **Contact, Radiant, or BOTH?**

As one gains experience and knowledge, the user finds their narrow intended use greatly expanded into a multitude of uses and possibilities. Having the ability to do either on demand becomes an attractive possibility or even a necessity. The modular nature of the PFG/P3 system (left) allows the user to purchase and have the benefits of the contact methods when needed, but to add the plasma system as time, funds, and needs permit. The P3pro system (on right) is a fully integrated system intended for the professional, mobile professional, and research market.





#### **Mobility**

Professional and mobile lifestyles often limit practical application and limit what a specific user may consider.

Separate modular components for instance as shown in the PFG/P3 combination above, allows the user to have the full benefits of a radiant system at home, office, or lab while being able to apply pretty much the same sessions via PFG contact application while vacationing or on-the-road.

The ability to mix, match, and add components and accessories for a well thought out modular system can be very important to providing for the end-user's personal needs.

#### Accessories

Sometimes simple accessories can assist greatly and provide needed capabilities with the most modest of instruments.



IMMERSABLE ELECTRODE

PPLED

*iCS – IMPRINTABLE COLLOIDAL SILVER* 

The decisions ultimately depend on the user's real and envisioned needs, preferences, capabilities, and finances. The "bottom line" however, is PRICE does not necessarily equate to APPROPRIATE NEED AND PERFORMANCE! Investigate and educate yourself as best you can.

# Symptoms Caused by Toxins

Many microbes manufacture tiny amounts of very potent poisons to defend themselves, disable the host defenses, or digest tissue.

When a micro-organism dies and disintegrates, some or all of its internal toxins are often released. For example, when fighting an infection and pathogens are killed, a patient may suffer from a "die-off" (Jarisch-Herxheimer) reaction to small quantities of its highly potent toxins.

Reactions to toxins can include many symptoms from a disease itself, since toxins themselves cause many symptoms.

#### **IMPORTANCE OF DRAINAGE**

Drinking plenty of fresh clean water is paramount to healthy hydration, flushing and elimination of toxic materials through organs of the body.

- After someone's first few sessions, toxins can build up fast and possibly cause them to feel worse than before they began.
- Without proper hydration and drainage, symptoms from toxins can be mild (such as barely perceived sluggishness) to high (including fatigue, swelling, headache, malaise, aching and aggravation of previous symptoms).
- Make sure to drink plenty of purified water to help minimize or completely avoid this effect.
- If too much toxin build up occurs after detoxifying efforts, it may be necessary to reduce session times with continued hydration for the next couple of uses to allow for more flushing and detoxification.
- Aerobic exercise is also helpful for eliminating toxins and helps to burn calories as well.
- One of the first indicators that a therapy is working is the enduring relief of pain. Over time, after organs have begun to repair themselves, other changes may be noticeable as well.
- It may also be useful to include sessions using organ detoxifying frequencies that help flush the system.



#### **ISSUES WITH DRAINAGE DUE TO DYSBIOSIS**

Unbalanced intestinal flora, also known as Dysbiosis, can cause difficulties with drainage and detoxification frequencies. Dysbiosis can occur because of a variety of reasons, to include: geopathic radiation; repeated inappropriate antibiotic exposure; alcohol misuse and poor diet; even unbalanced vegetarianism.

**Further Recommended Reading:** Temporary Increase in Symptoms, Water & Water Quality, Mistakes That Can Prevent Successful Recovery, and Factors that Slow Recovery (all freely available at *http://www.pulsedtechresearch.com/the-electric-human/section-iii/*)



This photo captured by Jim Bare clearly illustrates the moment of devitalization when the cell membrane loses structural integrity allowing the internal components and toxic materials spill out into the surrounding tissues.



## Temporary Increase in Symptoms



The phenomena many report as "increased symptoms is a legitimate and sometimes expected response to early sessions. Wikipedia simply defines by its proper name:

"The Jarisch-Herxheimer reaction is a reaction to endotoxin-like products released by the death of harmful microorganisms within the body during antibiotic treatment."<sup>1</sup>

In the case of electronic application, this is not being caused by the pathogens adverse reaction to antibiotics, but rather by the release of those same toxic materials into the body. Experimenters, researchers, and practitioners alike most often refer to this expression as "Herx".

In most cases, it is actually a positive sign when a patient encounters this temporary increase in their symptoms. It is usually a good indication they are using the correct frequency and effectively targeting the intended pathogens, but do need to probably "back off" a bit in the beginning to prevent overload of an already compromised system.<sup>2</sup>

- Internal toxins are released as organisms disintegrate after death. These toxins can produce the same symptoms as the problem the patient originally began treatment for.
- When large numbers of disease organisms are killed, their toxins must be flushed out of the body as quickly as they accumulate. Drinking 8 to 10 glasses of water per day will help speed the process and add hydration.
- If toxins begin to build up from disease organisms all dying at the same time, some may begin to experience a temporary aggravation of their symptoms.
- Even though some toxins may not be water soluble, flushing them out with water is still imperative for recovery while using any detoxifying frequencies as well.
- If someone is treating only an infection, detoxifying frequencies still aid in speeding recovery. They help to accelerate the elimination of toxins released by dead microbes (through kidneys, skin, lungs, and colon).
- Conditions that seem to be caused by viruses may actually be caused by toxic exposure. A person's symptoms may be very similar and include: fever, blocked metabolism, and poor immune response.
- Other factors that can cause an increase in symptoms or other harmful effects include:
  - Prescription drugs; exposure to toxic chemicals in work or home; lack of sleep or overexertion; stress; unbalanced diet; tobacco and alcohol use; high amounts of sugar in diet.
  - These are all external factors that can be personally controlled and avoided.

<sup>&</sup>lt;sup>2</sup> Factors that Slow Recovery, http://www.pulsedtechresearch.com/wp-content/uploads/2015/01/Factors-that-Slow-Recovery.pdf







<sup>&</sup>lt;sup>1</sup> http://en.wikipedia.org/wiki/Jarisch-Herxheimer\_reaction

## Water & Water Quality

Although we are taught as a general rule to drink eight (8oz) glasses of water a day, it becomes very important to do AT LEAST this much ... drinking BEFORE, DURING, and AFTER almost any session with a frequency instrument. This cannot be emphasized enough. Consumption of clean water is essential for effective detoxification of the body.

The purpose of this is to flush the body and organ of toxic poisons and debris from the die-off of targeted pathogens as much as possible. It is believed to occur when injured or dead bacteria release their endotoxins into the blood and tissue faster than the body can handle or process it thus provoking a sudden and exaggerated inflammatory response.

The often reported Herxheimer Reaction (more accurately Jarisch-Herxheimer Reaction) is an exacerbation of symptoms due to the overload of the toxins and pathogenic materials that have been released into the body system. This often exhibits itself as slight swelling, headache, slight fever, etc. but can be a good sign of an effective session.

Drinking plenty of good quality water will minimize and can even eliminate the "Herx" side-effect if enough of the toxic debris is flushed our fast and completely enough.

The best water, vital for life, is typically filtered through charcoal, is high in minerals, and is slightly alkaline, 7.5 on the pH scale.



Distilled water and Reverse Osmosis (RO) water are not considered idea as both lack needed minerals which are removed in the filtering process. Prolonged use of either is not advised without also supplementing trace minerals which would have been removed in the filtering processes. Failure to do this will result in a leaching of those needed minerals from bone and tissues causing serious further deficiencies and malfunction of processed which rely on those minerals.

Drinking distilled water **with trace element supplementation** is actually preferred as distilled water is alleged to have a greater ability to draw and carry toxins, poisons, etc. as is desired in a detox program.

## **DRINK MORE WATER !**

## Wellness Log

Week of	through

Sunday	Issue/ConcernIssue/Concern	
Notes/Comments		
Monday	Issue/Concern	
Protocol/s Used		Appx Total Time
Notes/Comments		
Tuesday	Issue/Concern	
Protocol/s Used		Appx Total Time
Results this Day		
Notes/Comments		
Wednesday	Issue/Concern	
Results this Day		
Notos (Commonts		
Notes/comments		
	Issue/Concern	
		Appx Total Time
Results this Day		
Notes/Comments		
Notes/comments		
	Issue/Concern	
Results this Day		
–––––––––––––––––––––––– Notes/Comments		
Saturday	Issue/Concern	
-		
Notes/Comments		
PulsedTech com PulsedTechPec	earch com Instrument/s lised (i.e. P3 P3pro PEG)	Mode (i.e. contact/plasma)

# Are there any harmful UV emissions from the P3's plasma tube?



The plasma tubes designed by Pulsed Technologies have been an ongoing decade-long effort to design a premium tube optimized for high voltage/low current excitation, rather than low voltage/high current RF methods to totally eliminate radio frequency exposure. Great care has been taken to maintain maximum transmission within the "Therapeutic Window" while minimizing or totally eliminating harmful emissions that might fall outside that range.

While some of the radiance falls outside the visible spectrum, it may appear dimmer than normal. However, checking with appropriate sensors will reveal strong emission. A "trick" used by some manufacturers is to add a bit of mercury into the mix which enhances visible and especially UV output.

#### Pulsed Technologies will NEVER allow the addition of toxic mercury into ANY of our plasma tubes.

Most commercially available plasma tubes use leaded glass, common to the neon sign industry, which uses relatively simple manufacturing methods typically learned as a trade. Leaded glass blocks part of spectrum of the light including areas known to have beneficial effects.

Pulsed Technologies proprietary plasma tubes use very high quality quartz materials which require far more sophisticated manufacturing skills and methods that provide exceptional spectrum transparency for far more accurate light delivery.

# Can the PulsedTech instruments be run on portable power or in emergency conditions?



 Can the PulsedTech Instruments be run on portable power or in emergency conditions?

- Absolutely ! All Pulsed Technology products have been designed to operate almost anywhere in the world with varied voltage standards & power conditions.
- Emergency Generator is great ...but OVERKILL for most modest needs.
- A single rechargeable battery with simple power inverter should prove sufficient for most users' needs.

#### RESEARCH

Pulsed Technologies' instruments have all been designed to operate in remote locations and environments with very efficient LOW power requirements. This has always been a part of PulsedTech's fundamental designs which also included veterinary applications that even work in areas with limited access to or NO power.

Readily available off-the-shelf accessories may be easily configured by users to power even our most advanced instruments for emergency situations and

reliable operation under the most adverse conditions.





#### Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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# Do I need to see or be exposed directly to the light?

## **Q&A – Light Exposure**

## • Do I need to see or to be exposed directly to the light?

 Not necessarily, however this might increase efficiency. Studies are currently being conducted on how much of the effect is actually caused by the light emission itself rather than other aspects of the energy emission and coupling

It is becoming clearer that the light itself is not the mechanism causing the effect/s but may rather be the "carrier" of the energy and information





It is our well-considered opinion and experience that you do NOT need to be exposed directly to the light. Admittedly, there might be a few specific circumstances where that direct proximity may be beneficial. For the most part, it has been found not to be necessary. [This assessment ONLY referring to PulsedTech instruments.]

Early microscopy experiments were performed with the microscope-mounted plasma tube within inches of the test subject. Later experiments had the plasma tube nearby but not necessarily focused toward microscope and then even further distances were found to be quite sufficient.

Extensive feedback from PulsedTech P3 users has repeatedly confirmed that immediate proximity is not necessary for substantial results.





Most of our current testing is performed via proximity tests to help assure no other field creates additional effects. When accurate (successful) frequency targeting is found and validated, even normally shielded cultures have been adversely affected.

All evidence we have found so far tends to suggest the mechanism of plasma exposure is NOT a conventional electromagnetic effect. Light is a conventional electromagnetic phenomena.



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# How do I calculate the "Higher Frequencies"?



While frequency manipulation can be done manually and with tedious calculations, Pulsed Technologies Romania has provided a convenient online calculator that allows the user to enter groups of simultaneous numbers (even using the "paste" function from online frequency lists). The user can select the output range with their PulsedTech instrument and even the optimal range of other manufacturers' devices. Useful harmonics will be displayed which can be captured and utilized for the users software.

The online calculator can be found at:

## www.PulsedTech.RO/hfcalc/



These numbers can be easily inserted directly into software like the PFG Lab Software Suite.

## How do I minimize the reactions?



The detoxification and "Herx" reactions are usually simply the distribution of the toxic materials and debris into the bloodstream. These toxic materials are the eliminations of targeted pathogens, the pathogen materials (possibly broken up) or released toxic materials that have been previously bound to other molecules within tissues. These toxic materials themselves can cause problems if not quickly removed from the body.

This reaction is usually the result of successful targeted kill-off of specific pathogens in a strategic attack by the user. Drinking plenty of clean water before, during, and after a session is usually enough to eliminate or minimize the reactions.

Additionally, many find activated charcoal tablets also helpful to trap and absorb many toxins in the digestive tract.



Slightly reducing exposure time can also be effective in reducing the amount of die off and may be necessary; especially for those that have weak or reduced kidney function.

A bit more related information can be found in the article: **Water & Water Quality** 



How far / how close should I be from the P3 plasma unit? Do I need to be in the same room with the P3/P3+ unit?



This question of proximity is one of the most frequently asked. A wealth of misinformation infects the internet. Typically it comes from makers of very limited devices, and often those with little knowledge of the physical mechanisms which underlie this technology. (Those limitations may in fact be applicable to the equipment they are referring to or marketing!)

The primary reason most PulsedTech users choose radiant plasma over direct contact is so that they are

NOT tethered to the equipment. This allows them the freedom and time to work at the computer, relax nearby or carry on with normal household errands in the same or even other areas of the home.

The unrestricted freedom this plasma mode provides typically allows the user to benefit from much longer and more frequent sessions, minimizing the disruptive impact on their daily lives.

# How long should I run the unit/frequencies?



Resonant frequency technology involves many concepts, of which destructive resonance is a primary one. When people learn of this technology, destructive resonance is the mechanism most think about. In some cases, it is the furthest extent of their knowledge of the subject.

Although many use the analogy of the old Ella Fitzgerald/Memorex commercial where her voice is theoretically breaking a glass, many other liken it to "vibrating it apart". This is simply NOT how this technology works!!!

In actuality, we are speaking about the transfer of energy. Even in the commercial, a sustained note of perfect pitch was required.

This sustained note, AT RESONANCE, was an absolute requirement for the glass to absorb the energy being delivered and accumulated to the point of self-destruction.

CanStockPhoto.



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Perhaps an even more graphic illustration is the destruction of the Tacoma Narrows Bridge on November 7, 1940. That day there was a CONSTANT 40 mph wind blowing across the bridge. By chance, this was (obviously) precisely the resonant frequency of the bridge. The energy was absorbed and accumulated, causing the rhythmic bucking and swaying of the bridge for hours. The enormous steel girders eventually lost all structural integrity and the roadway collapsed.

What occurred here is not so unlike what we are attempting to do to the cell membrane of pathogenic cells. Like the bridge, a consistent resonant signal must be delivered for a sufficient amount of time to accomplish the desired destructive resonance action.

Note: We will re-illustrate this issue and its importance more in depth when we discuss "Sweeps vs. Microstepping" and further expose some of the poor information being propagated on the internet.

In the case of the Tacoma Narrows bridge, if the wind had changed speeds even for a few minutes, the bridges motion would have quickly settled down as it had many times before. The destruction would not have occurred.

Likewise, to utilize a single frequency in a script of many for - as an example - 60 seconds, might not be enough to bring about the destructive resonance desired. In most of our work, we utilize 120 or 300 seconds as an absolute minimum. This allows for more effective application before moving to another frequency and likely a different target or intent.

Although the Rife community is focused almost exclusively on targeted pathogenic destruction, there are many other important mechanisms that can bring about the same long term goals. Most of the scripts designed by PulsedTech researchers employ mechanisms of many concerns into a strategic and usually very effective session.

Those who choose to look at Rife ONLY in the destructive mechanisms that have typically become associated with the technology.... are probably missing out on about 98% of the capabilities the science has to offer.

Jimmie Holman, Pulsed Technologies



When considering total length of exposure time, this can vary greatly from the type of instrument used to the appropriateness of application. Frankly, the use of some devices we have seen is a total waste of time, although they might have helped introduce the user to the simplest of fundamental resonant frequency concepts.

Scripts of targeted destructive resonance, when "on-target" and successfully devitalize (or kill) pathogens may destroy more than your body can quickly eliminate. This is quite common in initial sessions when pathogen load is high.

The resulting Jarisch-Herxheimer reaction will subside once the pathogenic toxic debris is flushed from the body via normal biological processes. (Drink plenty of water!)



However, if you are reaching this point, it is wise to slightly reduce overall session time ... at least in the beginning. As the pathogenic load shrinks little by little, so will the reaction.

I would recommend reading 2 short 1 page articles found in this Q&A area.

How do I minimize the reaction? – found in the *Questions & Answers* area of *The Electric Human* Water & Water Quality - found in the *Strategies and Considerations Briefs* of *The Electric Human* 

Our experience has been that users who consistently feel bad as a result of sessions often become reluctant or even non-compliant and make their path to recovery longer and unnecessarily unpleasant. Unfortunately, they are often following bad information from well meaning, but "less than knowledgeable" associates or info from unknown sources.

A well planned strategic protocol should be a pleasant and invigorating experience, leaving the user better off EVERY TIME the instruments are used. It should work into the user's daily schedule and down time so that they consistently use the session protocols. Consistency is VERY important.

Holistic approaches which consider diet, exercise, detoxification etc. can have an amazing impact on the rate of return to wellness!

## How long should the glass plasma tube last?



Unlike other manufacturers who rate their tubes in HOURS, Pulsed Technologies tubes have been designed, tested and perfected over the last decade. The tubes were designed for longevity and efficiently providing many years of service even under heavy use. Understanding the sometimes critical need of uses, we knew this was desperately needed and should be expected!

Impurities eventually do make their way into the glass itself. Each tube has incorporated into its design, deep within the electrode, a "getter" which electronically, at the atomic level, attaches to and absorbs impurities that have worked their way into the tube over time. This helps the Nobel gas mixtures remain pristine over time, thus providing extremely long life.

Through our experience, we have noticed these designs seem to perform even better over time. Except for only a few rare accidents, almost all tubes we have used over the last 15+ years are still in productive service, even in commercial and professional settings. When "next generation" system upgrades are requested, clients typically ask to have their original tube incorporated into their new product whenever possible. When and if a new plasma tube is required, the latest generation replacements are typically readily available.

At present, Pulsed Technologies only makes our proprietary tubes available for P3, P3+, and P3pro, equipment. However, a version designed for public purchase may be available in the future.
# I have too many frequencies and my sessions take a lot of time to run, what should I do?



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# My P3/P3+ interrupts while running a frequency. What should I do?



Pulsed Technologies P3, P3+, and P3pro plasma instruments all incorporate "failsafe" circuitry into their design. This helps protect circuitry and critical drive components from damage when "pushed" beyond thermal ranges. The system temporarily shuts down the drive circuitry until the issue is corrected or adjusted. While in this protection state, a specific LED indicator is illuminated. Reset typically happens automatically.



Although beyond the scope of this question, meticulous waveform control is capable from the PFG Lab software to optimize and help prevent this overdrive/heat related issue from occurring.

Be sure to allow for proper ventilation and assure appropriate waveform is being used.

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Q&A

Using the correct Frequencies, I started getting results, but the therapy is no longer working for me. ...Why?



Dr. Nenah Sylver, PhD, author of the Rife Handbook recently presented us the following question for comment. In such a few words, this question is really the composite of many different questions we at Pulsed Technologies have received over the years, but one whose deserved understanding reveals a much fuller view of the technology itself and the desired solutions.

# "Using the Correct Frequencies, I started getting results, but the therapy is no longer working for me. ...Why?"

This is an EXCELLENT question but one that, if properly considered, leads to a relatively complex answer, but an answer that leads to a much better understanding of the situations, mechanisms, equipment considerations, and strategies for further advanced use and infinite possibilities. This is a question that is often asked in many different ways but thank you very much for the elegant simplicity which sums up so many other questions. There are well over a dozen different issues that should be considered here; I will try to go over at least some of them



Dr. Nenah Sylver, PhD, author of the Rife Handbook recently presented me the following question for comment. In such a few words, this question is really the composite of many different questions we at Pulsed Technologies have received over the years, but one whose understanding reveals a much fuller view of the technology itself and the desired solutions.

Jimmie Holman – Pulsed Technologies Research

Important Note: The question is a compilation asked by many users experience using a wide variety of instruments and devices. The potential answers are typical and applicable across the spectrum of instruments but may expose features and capabilities not available in many manufactured devices.

This is an EXCELLENT question but one that, if properly considered, leads to a relatively complex answer, but an answer that leads to a much better understanding of the situations, mechanisms, equipment considerations, and strategies for further advanced use and infinite possibilities. This is a question that is often asked in many different ways but thank you very much for the elegant simplicity which sums up so many other questions. There are well over a dozen different issues that should be considered here; I will try to go over at least some of them.

The easy answer (but not likely the pertinent one) ... The **EQUIPMENT is FAULTY** or there has been a change in performance. All responsible manufacturers understand this possibility and typically have procedures in place for repair or replacement. Even the best of electronics fail, and "infant failure" is a failure when the equipment is very new, and is also the most common time for component failure. At least some manufacturers run the equipment for hours, days or weeks to help insure that IF this type of failure is going to happen, it typically occurs during this testing. The component are replaced and re-tested again before it is made available for sale or shipped to the client. Also, new-user unfamiliarity with relatively new technology sometimes



explains some really careless mistakes such as utilization of an incorrect power supply or substitution of an accessory not designed to be connected. These are all things that can be fixed. The following more likely scenarios needs to be learned and considered for optimal results!

**FREQUENCY** - Are you positive you "have the right frequency" or more likely frequencies? How do you know? Your question suggests you do NOT actually "NOW" have the correct frequencies for your needs. It strongly suggests you are close or have very effectively addressed PART of the problem! You shouldn't stop now but immediately progress to some of the other issues.

Note: If you HAVE killed the pathogens and are neglecting the mutations, you may be creating a problem worse than what you began with!



**MUTATIONS** - Mutations cannot be ignored and should be, if possible, carefully considered from the very beginning. Let's assume you had and were using, as your statement proclaimed, the "correct frequency" for pathogen X. Just the normal evolution of organisms realistically provides for the offspring to have slightly different characteristics (including frequency) to help insure their survival. In an environment where that is being intentionally assaulted, it is expected that many of those at the target frequency will be terminated and those mutations that have moved slightly or far enough away from the original frequency will survive. The continued assault on the original pathogen frequency will encourage their mutations even further

away from the original frequency. It is very possible you HAD the right frequency, but now are "off" slightly or not addressing what is needed NOW.

Note: With antibiotics this situation would require years of new development, clinical trials, many millions of dollars, and would likely be obsolete by the time it made it to market. This is precisely what we are currently experiencing with the gram negative bacteria, the MRSAs or the "superbugs", for which there is no longer any effective treatment. We are fortunate! With this technology, it is possible to simply and immediately address these mutations with thoughtful frequency additions if your equipment allows for that.



**FREQUENCY RANGE** - The issue of frequency is actually a bit more complex and MANY attributes need to be considered. Frequency Range is of curse important. The use of the square wave has been universally used because it is harmonic rich. For a long time, Rife manufacturers have realized the frequency capabilities of their equipment would not extend into the realm of the ACTUAL Mortal Oscillatory Rate (MOR), which is the actual frequency that the target is resonant with where energy is readily

transferred/absorbed. A simple analogy to this is hitting Low C note

on a piano causing all Cs strings to vibrate when the High C is the actual intended

target. By relying on the **HARMONICS** (multiples of the frequency) to reach the intended target, several other issues become very important.



**POWER** - Each and every harmonic is not quite as powerful as the one closer to the original FUNDAMENTAL FREQUENCY. The actual amount of power required to bring about a desired effect may not be sufficient even if the accuracy is spot on.



**FREQUENCY ACCURACY** - While having the correct frequency is understandably important, it is likewise crucial to remember that any minor error is multiplied each and every harmonic so that the frequency energy being delivered at intended MOR may be many tens (or even hundreds) of Hz "off" what is required to "hit" the intended target when magnified up the scale.

**KILL PATHOGENS** - If you are fortunate enough to be "spot on" at the intended harmonic, and are successful in devitalizing the intended targets, are you addressing the mutations? Probability is that you are NOT! What you perceived as "started getting results" was likely the successful intended kill off of your targets. The mutations were not being addressed and are themselves mutating further away from the frequency being used. Those offspring born that fall within the realm of frequency being addressed are likely being killed but in actuality by not addressing the mutations are creating a problem that either MUST be addressed even more aggressively later.

KILL MUTATIONS - To prevent creating a problem worse than what you began with, it is absolutely mandatory,

at some point, to also address the mutations as well as a major component of your overall strategy. Unfortunately some equipment manufacturers hide their information in "codes" and private protocols. While this may work for the initial run, the client often experiences the precise situation expressed in your initial inquiry. Without the specific knowledge of what is being utilized, the end-user is unable to adjust and address the "new problem" that has been created by the naturally evolving mutations. Equipment and/or associated software needs to be able to precisely address BOTH the original target and close adjacent frequencies.



Note: When under professional care, irregular office visits to for in-office treatment can also exacerbate and encourage the mutation of pathogens which is why most reputable practitioners encourage purchase regular self-administration.



**DWELL TIME** - A consideration that is often not considered by persons new to Rife concepts is the importance of dwell time. Dwell can take 2 forms, (1.) the percentage of time the wave is being delivered in the "on" as opposed to "off" state, (this is also called Duty Cycle), .... OR the more important being, (2.) the actual time the specific resonant frequency is being delivered. Both are critical to complete and effective delivery as energy transferred over time is cumulative and breaks in application equate to absorbed energy being lost. It is very important not to "let up" until the intended job is done. Not enough time per frequency only delivers to the weakest of the organisms, and while it may be perceived as kill-off and improvement, the person is

encouraging the growth and mutation of those targets that are the most virulent.

**WAVEFORM** - While we previously expressed the importance of frequency and being able to administer frequency accurately with sufficient power, another critical component of the resonant frequency delivery process is purity of the waveform itself. Especially when using "square wave" as most "Rifers" are to have harmonics reach the intended MOR, the wave shape on the front end of the wave, the "Rise Time" if not relatively fast, is interpreted by the body as a foreign signal. Through a bio-chemical mechanism, the body itself prevents this electrical signal from passing electrons there by nullifying the intent of the user and rendering further application meaningless. Unfortunately, much of the available equipment has not addressed these issues critical for effective application. Anything past the first few minutes is far less efficient or even useless. Frequency distortion caused by application of multiple frequencies at the same time should not even be considered. Applying more than one frequency cannot help but cause WAVE INTERFERENCE; it is a simple, demonstrable, and undeniable principle of physics. While this may sound like a great timesaving "convenience", it is unfortunately largely "manufacturer marketing", taking advantage of less technical users who have trusted their equipment manufacturer to have researched much of the needed technical information for effective and pertinent use.

**REGULAR & CONSISTANT APPROACH** – From the above points, you can see a strategic, planned, and consistent approach is needed for effective use. By wavering from the strategic plan, taking vacations from treatment, gives the target pathogen "army" the time to regroup, recover, reorganize, and the opportunity to become an even more formidable foe. A consistent strategy it to constantly reduce the target army, continually keep it in their weakest form with the inability to reproduce until totally removed is needed.

**MECHANISMS OF ADDRESS & RESPONSE** – The Rife community has for many years largely focused primarily on the devitalizating or destructive nature of targeting pathogens. There is SO much more this technology is capable of when one closely examines the underlying physics. By doing so opens up new realms and possibilities, so many that the targeted destruction should become only one small part of a coherent strategy, instead including many of the body's natural mechanisms as part of the overall protocol.



**REPAIR OF ENVIRONMENT** (Time for Repairs – Time of Day) – One of the major non-destructive mechanisms eluded to above has to do with repairing the environment within the body which is allowing or assisting the adverse situation to occur. This can actually be accomplished in several different ways. (For example, a low pH -



acidic tissue equates to a desirable environment for pain transmission and pathogenic growth) Simply the nature of electronic device use provides electrons to move that local environment toward a higher pH forming a less hospitable location for reproduction and growth. This can occur even if the WRONG frequency is used! Additionally, the powering of metabolic functions also occur boosting immune function and "jumpstarting" functions that may be deficient or not working at all.

Sufficient Time is needed for these modification of the body environment. Specific "time-of-day" also must be considered. Many of these crucial re-constructive repairs that occur happen ONLY at night. The body operates in scheduled cycles. Although late evening is often the most convenient time for most folks to have a session, this is in most cases the WORST time to do so as it interferes with the natural metabolic cycles, postponing those

repairs till the next daily cycle. Early morning to late afternoon, the time when the body is meant to eat and exercise is the ideal time for application, working WITH your body for most efficient delivery.

**EQUIPMENT CAPABILITIES / DELIVERY METHOD** – A very important consideration is one of capabilities and features. Does it have the ABILITY to address what you are trying to address with the method, accuracy, range, and precision needed for your particular application. Penetration into an area such as bone may require a more complex strategy, better waveform, or a radiant rather than contact method. What is most important is that the equipment utilized be sufficient for COMPLETE delivery of the desired protocol and that it can conform to the changing user needs.

*In Summary*, setting aside possible malfunction of the device used, what you observed or have experienced is normal even with the best of instruments. Limitations of devices, completeness of strategy, misuse, etc., all describe the problem outlined in question, but one which CAN usually be overcome as experience and a broader knowledge of the technology develop. A Strategic, Aggressive, and Consistent approach is the logically best and most effective approach. Even the worst of tools can often be effective if capabilities are understood, their deficiencies recognized and planned coherent strategies properly used. The original question obviously disregards many or all of the important considerations; the very things that a prudent user learns along the way in normal operation and application of their instruments and protocol strategies. Thanks again for such a great question!



# Should I apply electrodes directly to a "problem" area?



Well thought out strategic placement is important for the most effective results. The answer to the question above is **BOTH "yes" and "no"** .... Of course, it varies greatly depending on the issue being addressed, the actual target and any mechanisms being included.

**YES** (Example) In the case of an arthritic knee joint, for instance, it makes good sense to apply at least one of the electrodes directly to the knee with the other nearby. The mild electric current is traveling from one electrode to the other in essentially a path of least resistance. (This may or may not be a direct line!... It is most likely not, but rather moving along lines of the most conductive tissues.) Besides the targeted de-vitalization of specific pathogens associated with arthritic conditions, the flow and availability of electrons has been shown to greatly (and often times immediately) reduce pain and inflammation as well as raise pH to a more alkaline condition.

In the strategy shown here, there was another ancillary issue being addressed. Besides addressing the symptoms and cause, the user logically wanted to correct and totally eliminate the issue. The known building blocks necessary for joint repair and

restoration are provided and utilized as a conductive gel. They deliver it to the tissues with the proper building

materials at the right place and time that they are most needed and can be best utilized. So, in this case, applying the electrodes DIRECTLY on the problem area was the best choice.



**YES AND NO** (Example) In the case of a small tumor within breast tissue, depending on the location within the breast, the user can best determine whether a path *through the target* or one pad *on the target* is best. Guidance from a skilled practitioner also using x-rays can be extremely beneficial in determining electrode placement. It should also be noted that the tissue-alkalizing effect from a localized application is known to be beneficial for inhibiting, even reducing, tumor growth.

**NO** (Example) Addressing blood borne pathogens or general full body issues definitely mandates a strategy for the specific problem. The electrode to electrode pathway strategy described in the first 2 examples is still applicable and like the breast issue described above, that pathway passing through a specific or general area or organ can be optimized by thoughtful electrode placement. For example:

Wrist to Wrist might be beneficial for shoulder stress or upper respiratory issues such as a cold or flu.

Ankle to (opposite) Wrist is really one of the best strategies to address full body issues.

**Ankle to Ankle** could be very beneficial for targeting lower body circulatory, prostate or urinary issues.



Utilization of the circulatory system as a highly conductive pathway to focus on certain areas is also recommended. Blood borne pathogens are likely present within these circulating pathways.

Acupuncture Meridian System – Although many folks are not familiar with the acupuncture meridian system, it may prove to

provide one of the very best pathways to literally "wire" directly to specific target organs; especially those deep within the body or otherwise inaccessible. The Hyaluronic Acid which makes up this system is amazing, highly-conductive, water-soluble oil. Most interesting of all, it



seems to provide external connection points directly to the hardest organs to reach from easy access points; generally the hand or foot. Please, investigate this possibility!

Ankle - Wrist

Ankle - Ankle

Wrist - Wrist



# What are "Higher Frequencies"?



For many years, "Rife-type" devices have typically been largely limited to the audio frequency ranges (and many still are). The audio range is roughly 20 Hz-20,000 Hz although most people's actual hearing typically doesn't extend to either extreme, especially as we age. Audio sound cards attempt to optimize within typical hearing range. Unfortunately, the mechanisms that we are dealing with have little to do with audio itself and more with resonance and energy transfer. (More on that elsewhere.) We are trying to match frequency, or more specifically, "wavelength" with an object of appropriate size match so that it will absorb that energy.

We aren't really talking about sound but rather the interval of the energy bursts! These lower frequencies have been utilized for years because of the availability of inexpensive common device components made to address these concepts. It has been known for decades that the actual MORs (Mortal Oscillatory Rate) of most of the pathogens being targeted are much higher in frequency and shorter in wavelength.

It is for this reason, the more primitive devices have used only square waves, as that waveform generates harmonics, or multiples, that spread its power and reach into those higher regions. Unfortunately the effective power level drops off dramatically with each successive harmonic (multiple) to the point that even if the precise frequency is "hit", it may not be enough to affect the target.

Meticulous biological testing has clearly demonstrated the effective benefits of using the frequency range which is at or nearer the actual MOR. As part of our early preliminary work, Pulsed Technologies recalculated many of the publically available protocols and has rewritten them into the more effective higher ranges. Much of the commonly available equipment does not have effective capabilities in these higher ranges.

# What are sweeps? Do I need it?

# **Q&A – Frequencies & Time**

• What are sweeps? Do I need it?

• Sweeps are useful for more limited equipment. They are ultimately not desirable for the most effective results. We have learned that, when using Higher Frequencies, there is much less the need for sweeps. For lower frequencies you can create frequencies close to the base frequency, within 1 or 2 Hz range. Example: base frequency 2727. Use the following frequencies to emulate sweep, by adding or removing 0.5Hz from the base frequency: 2726, 2726, 2726, 2727.5, 2728. The recommend higher frequencies would be: 21808, 21812, 21820, 21824, 21816 (calculated using the Higher Frequencies Calculator)

 This important issue will be discussed in detail in the Bioenergetic Session Considerations document

INWORK

Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

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# What are the issues which contribute to "slow recovery"?



Equipment design can have an enormous effect on the length of time needed for your path back to wellness. Some devices aren't even worth the time spent using them. Some devices are manufactured by well-intended individuals but lack critical features or waveform attributes that, if used, can lead to significant problems that the same device is incapable of addressing!

Each person represents a unique set of circumstances. Aside from specific infectious pathogens and parasites, among the most serious of contributors are the constant stream of poisons we expose ourselves to daily. Just as important are the foods we eat, both good and bad.



Even if good nutritious foods are consumed, the constant poisoning and stressing of biological systems by the endless environmental assaults minimize the progress made by other positive agents.

Each person needs to not only provide the nutrition and necessary supplementation, but seriously strive to totally eliminate ALL exposure to the toxic and stressful elements they are exposed to on a daily basis.

Addressing these issues will help assure the most efficient use of your equipment, time, and guarantee the most effective results.

# What does the plasma tube contain?



The PulsedTech plasma tubes contain a proprietary combination of inert Nobel gases in quartz glass to assure the widest spectral generation possible. Many years of research and development using extensive available spectral data to help determine a suitable scheme for high performance.

Most tubes on the market have a combination of Argon and Neon; the two most readily available and least



expensive of the Nobel gases.

Pulsed Technologies plasma components include the far more expensive Xeon and Krypton in a carefully calculated balance as well to provide performance and ranges second to none.

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Inexpensive Helium is used in many older RF devices. Some are occasionally used as a supplement to some of our experimental prototype systems in-house, but they are rarely used in our production instruments.

Some manufacturers add a bit of highly poisonous mercury to their mix because it makes the tube look much brighter and emit more ultraviolet. This is quite ironic when you consider that they, often selling devices meant for resonant frequency emission, targeting people with critical health needs, are choosing to theoretically expose that person unknowingly to even more toxic emission. *INCREDIBLE!!!* 

## NO mercury IS or EVER WILL BE used in ANY Pulsed Technologies plasma tube!

Pulsed Technologies Research engineers thoroughly examine other devices often for in-house assessments.

Pictured here is one of the worst case examples we have investigated to date.



# Advanced Plasma Tube Development

 Pulsed Technologies effort and development of "the" ultimate Plasma tube continues. Improvements and advances in superior tube and coil designs allow for exceptional performance. All PulsedTech plasma tubes are always optimized for the latest generation P3 series of devices



Pulsed Technologies continues to improve all phases of tube development to provide affordable, high-performance tubes for now and well into the future.

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# What frequencies should I be using?



# **Public Protocols**

For years, the primary public source for frequencies has been Brian McInturff's "CAFL" - Consolidated Annotated Frequency List. This list is the composite of many different sources. This list is FREE and is a good "starting point" for further investigation.

## CAFL – Consolidated Annotated Frequency List

The

Electroherbalism Frequency Lists

- What frequencies should I be using? • Its FREE !
- http://www.electroherbalism.com

# Nenah Sylver's RIFE HANDBOOK



http://www.NenahSylver.com



Unfortunately, the bulk of the frequencies have focused on lower frequencies; largely in the audio ranges with no actual correlation between specific frequency and actual modus operandi. This has been improved in Nenah Sylver's Rife Handbook with many frequencies being provided from private research sources.

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# **Special and Proprietary Protocols**

For serious/critical needs, DNA frequencies, calculated and provided under license, could be your best bet. Especially if publically available content has provided results less than desired.

However, private protocols and logical strategies from serious researchers optimized for the specific instruments under consideration utilizing waveform components are also available. These protocols along with the special guidance of an experienced practitioner can make an enormous difference in the recovery.

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should he using.	DNA Pathogen Frequencies		
<ul> <li>Provides under license, custom calculated frequencies for your personal application</li> </ul>	Control to search of the ground to the figuresy densities     Control to the search of the sear	Novigation Uses Second	
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http://www.DNAfrequencies.com		~	19

Available via professional practitioners and by special arrangements are more detailed and explicit booklets and information sheets for consideration. Pulsed Technologies Research (USA) has worked extensively with select practitioners and experienced researchers to develop effective new strategies and approaches for Bioenergetics & Pulsed Technologies (EU) instruments not normally considered, practiced or available with other manufacturers' devices.





Note: The next generation PulseTech software allows for encrypted and secure distribution of proprietary protocol scripts by practitioners, researchers and specialists.

# What if I don't feel anything... Is it working?





This question typically refers to **CONTACT** applications. While many devices are limited to relatively low frequencies, Pulsed Technologies instruments are capable of frequency ranges likely much higher than what is needed and well within

what is believed to be the actual MOR (Mortal Oscillatory Rate) ranges. The body has perception at the very low frequency ranges but quickly loses almost all perception above 15-20,000 Hz. This is actually good as effective signal generators



can provide relatively high voltages which would be uncomfortable to totally intolerable at the much lower frequency. This "un-sensed" higher voltage signal can be instrumental in providing maximum delivery across large spans of the body (i.e. wrist to opposite ankle).

**PLASMA** instruments typically have no direct contact although any sensations are minimal. Many users, however, often report feeling parasitic pathogens being targeted moving inside their body. It is not necessary to "feel" anything occurring for the session to be effective.







# What if the glass / plasma tube breaks? Is it dangerous? Can it be replaced?



Breakage of the plasma tube is rare but can occur. When this has happened, it was a result of having an item dropped directly on the glass tube itself.

# DON'T WORRY ABOUT IT!!!

The largest danger is from the broken glass itself. The Nobel gases used are totally inert and completely safe. We **NEVER EVER USE MERCURY!!!!** ...and NEVER WILL!

Do NOT try to repair the unit yourself! THAT would not be safe!



Simply turn the unit off if it was running and unplug it from the wall.

Pack the unit and return for repair. This can be easily and (usually) quickly done at our service centers.

# What waveforms should I be using?



There is no simple answer to this seemingly simple question. For most users, a simple answer would be "**Square Wave**".

A fuller and more detailed explanation allows the educated user to optimize and better utilize their equipment for whatever their desired task and to perhaps develop super-effective application strategies for their unique personal needs.

Waveform selection depends greatly on the desired use, the equipment being used, even the method(s) of application. Those involved with the scientific, laboratory, astronomy, physics, and etc. applications generally never ask this question as they have specific experience and practical technical use needs. Members of the "Rife" and wellness communities often experience these concepts for the first time within the realm of much misinformation. For them, the general answer is most often "**SQUARE WAVE**", but with qualifications.

# HARMONICS

Square Waves are harmonic rich! The diagrams to the right show a spectral analysis of the basic Sine, Square, and Triangle waves. In each situation, a









1000 Hz tone is being generated at each of the given waveforms, but the coherent resonances being generated across the spectrum are most predominate with the Square Wave; almost totally non-existent with the purest form of the frequency, the Sine Wave, and extremely limited to only the first few harmonics with the Triangle Wave.

Almost all early Rife-type devices and, unfortunately, many current-day devices are technically limited to relatively low frequency sound (audio) frequencies; the general area of hearing, 20 Hz to 20,000 Hz. There were a number of reasons for this at the time, but the science has progressed for many. It is demonstrated, using Rife terminology that the Mortality Oscillatory Rate (MOR) is the specific frequency at which the target pathogen resonates with is a particular frequency actually much higher than these often reference audio frequencies. The difference is the many hundreds of thousands of inferior Hz. devices desperately rely on the use of Square Wave harmonics to reach the actual MOR in hopes that it is powerful enough at that point to have an effect on the target pathogen.

# **HARMONIC POWER**

We have clearly seen in the previous illustrations that each successive harmonic has a slightly lower amplitude than the previous one. In the example of a Sine Wave, close to 100% of the power is delivered exclusively into the main "Fundamental" Frequency with little loss to any other harmonics or spurious emissions. The harmonic rich characteristic of the Square Wave distributes that power among each and every harmonic across the spectrum. The Triangle Wave only shares its power with very close harmonics. With the limited capabilities exhibited by most older low frequency systems using Square Wave, it is easy to see that even if the harmonic frequency was right on the target MOR, it is not only possible, but very likely that the amplitude (power) at that desired frequency may not be enough to bring about the desired, or any effect to the target.

# **FREQUENCY ACCURACY**

Frequency accuracy is critically important. It is the frequency/wavelength match with the targeted pathogen needed to be "in tune" to receive the intended energy. A small error in frequency quickly becomes an enormous error as you move to harmonics further away from the fundamental frequency. For instance, frequency that is even a fraction of an Hz off in the audio range can quickly be set off from effective frequency by dozens, hundreds, or even thousands of Hz by the time the harmonic multiple nears the intended/actual MOR.



# **PRECISION FREQUENCY**

Early systems often used relatively simple computer systems to generate frequency. Ironically, the accuracy of frequency generation used techniques which weren't very accurate and because of mathematical issues with the relatively slow processors, accuracy could sometimes be off by 4 Hz or more. While sound cards brought a bit more accuracy, however, it could be off. Both offered TERRIBLE waveform though and virtually little to no waveform control. Pulsed Tech instruments never rely on the computer for waveform generation. Impeccably accurate dedicated Direct Digital Synthesis (DDS) is done within the microprocessor-controlled equipment to assure precise and meticulous purity. The computer simply becomes the control panel instructing the instrument to perform scripted tasks, leaving the dedicated Frequency synthesis chips to do what they do best.

# **WAVEFORM PURITY**

Since those early days, we now realize the importance of fast rise time on the front end of the wave form. While



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frequency is just one attribute of the emission created, many other attributes need to also be considered. It was learned decades ago that several attributes were very important for Rife-type work. It was understood that fast rise time greater than 20 milliseconds (us) - see illustration - was important for the body to accept and continue passing through the body and into the cells. It is believed that a slow rise time less than 20us was interpreted by the body as a foreign assault and would immediately begin chemically changing the area to impede or prevent further "foreign interference".



While end-users often assume these important details are taken care of by their manufacturers, it is unfortunate that critical details like this often are often not addressed; nor can they easily be by the end user.

The extremely poor rise time measured on this current and popular device was measured at approximately 750us which is abysmally higher than the acceptable threshold of 20us!

The poor waveform shown in the

lower photograph is intended to be delivered as that waveform shown in the upper photo. In practical terms, because of poor design, the effectiveness timeline, assuming frequency, amplitude, and all other aspects are perfect, is, at best, limited and brief.





## SOMETIMES SQUARE IS NOT THE BEST SELECTION!

One of the general misconceptions often propagated within the Rife community is that you should always use a Square Wave. Justification for this is typically for the reasons just given. A further assumption is that what you put in is the best of what you get out. Neither of these assumptions are absolutely correct. When extensive intermediate circuitry is involved, especially in high voltage plasma application, it can be very beneficial to use a



more modified waveform to further control and build up the charge needed to maximize the "hit" that is put on the plasma tube. A modified hybrid of both the Square Wave and the Triangle Wave is the "Ramp Wave" which understandably comes in two opposite forms; that is Ramp Up and Ramp Down. The characteristics of minimal harmonics and focused power are similar to the Triangle Wave.

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Advanced instrument design and strategic deployment of controlled waveforms can provide superior and efficient delivery of the signal for optimized performance of this plasma system.

In the side-by-side comparison shown above, the photographed Plasma tube is shown above the dual trace oscilloscope. The lower signal trace indicated that the PulsedTech PFG frequency generated signal being input to the system. The upper trace indicates the actual photonic signal output measured by an ultra-high-speed phototransistor optimized within the therapeutic range.<sup>1</sup>

On the conventional (left) side, we see the expected Square Wave and as a result we also see the expected pulse representing the emission output from the plasma tube. Visually notice the relative output of the tube.

The scenario in the right photograph is that of a Ramp Wave input with a very sharp cut-off. (Important Note: Although beyond the scope of this conversation, both input signals shown here represent negative voltages likely unique to PulsedTech products. In the case of the Ramp Down, the voltage potential is actually increasing with a sharp cut-off to zero.) This shows the signal voltage building up to -10 volts DC and then quickly shutting off to 0 volts. Within the circuit components, this allows for a much more efficient build up and saturation/storage of energy in some of the proprietary components that will be be quickly released to the tube and provide a much higher impact and higher level of excitation of the plasma tube. When comparing tube output, either visually or electronically, the difference in performance is obvious and quite dramatic.

Note: In the earlier "Rise-Time" illustration (page 3), a characteristic dimple or spike was noted as being advantageous as opposed to the less desirable rounded front end of the waveform representing slow rise time. In this case, this represents an incredibly BENEFICIAL output. It was also clearly shown the square wave output is

<sup>&</sup>lt;sup>1</sup> An Introduction to PulsedTech's Bioenergetic and Bioelectric Technologies: Part 2, The Science, Art & Physics, see specifically the graphics of the Electromagnetic Spectrum and Therapeutic Window <u>http://www.pulsedtechresearch.com/the-electric-human/section-iv/</u> (Presentation Materials 2014)

including massive harmonics as well; far in excess of what the original waveform being input might have done alone. The sharp spike on the front end of the waveform is the characteristic which has been shown necessary to "jump" the cell membrane and be utilized as energy within the cell.

This is a good example of positive effects of waveform manipulation that are available with Pulsed Technologies instruments. (See "ControlNote" at end of article)

## **BRAINWAVE EXCEPTIONS**

There are exceptions to most of the points brought out in this article. While most of the details and comments have been directed at Rife-type applications, Pulsed Technologies has been working with several international strategic partners in adding what may seem to be entirely different field of research, but is in fact actually closely related. While seasoned meditators and those involved with serious brainwave research better understand the



close relationships, the tools capable of assisting them in these seemingly different fields are frankly quite similar IF the precision elements of wave control exist within the instruments.



Clean brainwave manipulation by entrainment is best done by pure Sine Wave although especially careful methods are required for safe personal application and use. PulsedTech is working with several international partners to make this advancing technology possible to educators, experimenters, and seasoned researchers alike.

The Connection of Body-Mind-Spirit: Enhancing & Developing Natural Capabilities & Wellness with Technology <sup>2</sup> reveals some of this work in more detail for those who are interested and is freely available at the URL below.





<sup>2</sup> http://www.pulsedtechresearch.com/the-connection-of-body-mind-spirit/

# **SUMMARY**

The bottom line is that the final decision on waveform and various characteristics really depends on the user's unique needs, the method of application, and what you are intending the instrument to do. The operating environment, the equipment configuration, even the level of expertise of the user play a role in that determination. The PulsedTech instruments, especially the PFG product line, provide the precision versatility that allows even a novice to get started easily, and implement the many enhanced characteristics and capabilities as their knowledge broadens and understanding grows; making an excellent strategy possible for an effective return and maintenance of health and wellness needs.



Rife's crude frequency generation in the 1920s and 30s utilized massive amounts of the then latest technology, at best still had only marginal control over certain aspects we now understand are critical to this amazing technology. We are confident that if Rife were alive today there would be Pulsed Technologies instruments in his state of the art Rife Research Laboratory.



PulsedTech Control Note: The ability and need for advanced waveform manipulation is far beyond the scope of this brief Q&A but will be discussed separately in a technical document on Waveform and Plasma Optimization being prepared for release in the future within the *Electric Human*.

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# Where are the documents located?



BioEnergetics and Pulsed Technologies, SRL (Europe) and Pulsed Technologies Research, LLC have been making an enormous range of documents available to not only their clients, but the interested public as well.

When we first began examining these technologies over 2 decades ago, we found the technical information severely lacking and for the most part based totally on historical hype with little scientific foundation. Even the small bits that did exist were essentially WRONG. We did not desire to continue that trend.

It has always been our philosophy that an informed buyer is really the best type of customer in the long run. It is our goal to provide clients with as much clear, concise and accurate information as possible to help them make the best buying decisions.

As an equipment manufacturer, Bioenergetics and Pulsed Technologies (by regulation) are limited in certain amounts of the information that can be provided.



Pulsed Technologies Research, however, is very pleased to be able to separately share some of the more pertinent content we have investigated, discovered, or created in our private ongoing projects with and separate from our affiliates.

**www.PulsedTech.com** & **www.PulsedTechResearch** are the homes to locate both evolving Operational as well as Technical Reference material. The PulsedTechResearch website is the new home of **The Electric Human** ebook for your enjoyment and education.

# Where do I place the electrode pads?



Probably the second most asked question by users is "Where do I place the electrode pads?" While a seemingly simple question, it is one with a very broad answer. The understanding of this question allows the informed user to strategize and get the most effective use and targeting out of even modest equipment.

# **PROBLEM ASSESSMENT**

Most users who ask this question are coming from a Rife-based background and have usually only recently heard of the technology or are still learning about the new capabilities. Most often they only are aware of the

"destructive" mechanism typically associated with Rife largely because of the lack of good technical information being made available OR their mindset promoted by traditional allopathy of letting the doctor handle all "those complicated problems" for them. This self-imposed handicap allows the user to miss probably 98% of the other capabilities the technology offers. As these other capabilities are better understood, electrode placement becomes quite logical and evident rather than intuitive.



# **STRATEGY OF ATTACK**

When these many other complementary issues are considered, more complex and efficient strategies can be devised. A practitioner capable of recognizing, understanding, addressing, and conveying these ancillary issues is

priceless when developing strategies. Specialists such as an acupuncturist can help provide strategies not even considered by conventional allopath's.

As application occurs, regular professional monitoring and assessment can recognize physiology changes and needed supplementation that can greatly enhance effectiveness and help provide new strategies as the body environment changes.... Something patients often don't recognize themselves or are often at a loss to understand.





# **APPLICATION & DELIVERY**

A contact instrument such as the PFG2z shown here has an enormous number of uses across many realms of science, but when combined with the scriptable PFG Lab software becomes especially useful as a tool for Rife technology, wellness, and other applications.

Delivery of signal and energies is in many ways limited largely, only by the knowledge and innovation of the user or researcher.

While radiant plasma is typically considered best for full body application, strategic placement of electrodes can more efficiently direct energy to general or very specific areas of the body. While the use of specific frequencies are generally thought of as the targeting mechanism for destroying specific types of organisms, thoughtful placement can enhance that further by localizing the majority of the delivered energy to a specific area of interest.

# **CIRCULATORY STRATEGY**

The high iron content of the circulatory system provides an extremely good conductive pathway which reaches virtually every place within the body. With a little thought, and consideration (and a few exceptions) this is the method most folks utilize without realizing it.







## Electro-Therapeutic Approaches to Personal Disease Management and Health Maintenance.

Copyright 2015, Pulsed Technology Research, all rights reserved. This article and art may be freely distributed without notice for non-commercial use only if used in complete and unedited form. All graphics and photos have been provided by license or permission of Pulsed Technologies Research, LLC 123rf and CanStockPhoto. www.PulsedTechResearch.com Certain areas such as the inner wrist and ankle provide very thin conductive skin in close proximity to both major veins and arteries. While conduction is not limited only to this amazing pathway, it certainly provides a major pathway between connection/application points. By simple consideration of electrode placement, it is easy to see in these diagrams how one might selectively focus on a localized area to address the user's unique requirements.

The **WRIST-WRIST** scenario seen here can focus on upper torso needs while **the ANKLE-ANKLE** configuration can focus on issues of the legs and groin/digestive areas.

The **LEFT WRIST-ANKLE** and **RIGHT WRIST-ANKLE** arrangements shown here of course focus largely on the respective LEFT or RIGHT sides as appropriate for the user's unique needs.

The **LEFT ANKLE-RIGHT WRIST** and **RIGHT ANKLE-LEFT WRIST** likewise are particular for "full body" administration and especially useful if alternated between the 2 from time to time.

There are however **numerous INTERMEDIATE CONTACT LOCATION** (usually in joint and soft tissue areas that may also be considered to "fine tune" the users strategic localized targeting for their unique needs and situation.







Wrist - Ankle





Ankle - Wrist







# THE ELECTRODES SHOULD **NEVER** BE PLACED ON THE HEAD OR HEART!

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## **BRAIN CONSIDERATIONS**

There are certain reasons why one would want to target the brain or areas of the head. As noted we do NOT suggest electrode placement on the head. Although probably safe within certain limits, the PFG is capable of much larger output than what should be applied directly. The locations shown here on the two Trapezius Muscles of the neck will provide sufficient signal delivery to the head in a much safer manner to satisfy most user's needs.





Contact application need not be terribly cumbersome or restrictive. A typical operating environment will allow continuation of most non-mobile tasks and relaxation, such as operating the computer, reading, watching television, listening to music, or even (my favorite) napping.



These types of operating arrangements can of course be symbiotically used in associating with various other types of brainwave and relaxation modalities for enhanced performance of both.

*Special Note: There are many interesting new developments occurring in the realm of mind and brainwave applications where these and other special signals are being developed for entirely new and exciting uses.* 

# ACUPUNCTURE POINTS AND THE MERIDIAN SYSTEM

One of the most overlooked and underutilized systems for effective application strategies is the use of the acupuncture meridian system.

The meridian system itself is an amazing circulating network of energy made up of the Hyaluronic Acid molecule. This molecule itself arranges to form an insulating barrier with a highly conductive water soluble oil which is suggested to also have fiber optic properties.



While traditional ancient medicines have long considered this integral system, it has only recently been "rediscovered" in western civilization via the use of modern nuclear imaging. What is significant is that this highly conductive pathway provides in essence "direct wiring" to specific organs and locations.

While it is not necessary for the end user to fully learn this complex

system, it can be tremendously beneficial to enlist the guidance of an experienced acupuncturist to locate key acupuncture points corresponding to their intended focus points or areas of interest.



Note: Some researchers have equated these acupuncture points as complete holographic mapping of and connection to the entire body in an easily

accessible location. Others, more technically inclined, have observed it is quite similar to the ODB2 Diagnostic Port that modern auto mechanics plug into to get a computerized view and direct access to the entire system.



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## **IMMERSABLE ELECTRODES**

Regardless of the pathway strategy, and without reliance of knowledge of the meridian system, it is still possible to utilize these strategically "good" application points.

The immerse-able electrode (shown at the feet), unlike the adhesive type shown here on the right wrist, is being essentially terminated on the other end of the body circuit through ALL the acupuncture points of the feet as well as the circulatory system passing through the ankles.





Heavily salted water provides excellent conductivity through the water with effective delivery to the many *acupuncture* points of interest. This same philosophy can also be used in the corresponding points in the hand.

Although this method is not always practical, it should be considered when previous results experienced are less than what is desired.



# WHOLE BODY APPLICATION

In the cases of whole body application such as a viral infection, malignant, blood borne bacteria, parasites etc., the strategies discussed so far are typically the best. However many issues may be better addressed by much more focused and localized application.



# **DIRECT CONTACT**

In many applications, direct contact to a specific area is desirable and preferred.

A localized tumor is one example, but of illustration purposes we will use Arthritis as an example. While the situation can be systemic, we normally consider it a somewhat localized issue.

Note: a more extensive document specifically on Arthritis considerations is available in the Protocols area, Section 3 of *The Electric Human*<sup>1</sup> at the PulsedTechResearch.com website.

In the case of arthritis the strategy is multifold and not as in conventional therapies to simply treat pain and swelling. That never addresses the underlying problem, only the symptoms.

In a logical approach one would:

- 1. Eradicate (kill) the source of the source of the problem
- 2. Address the pain
- 3. Address the swelling
- 4. Provide the needed materials for repair
- 5. Provide a method of enhanced delivery and uptake
- 6. Provide the needed energies for self-repair and restoration

Localized application through thoughtful placement does just these things. Pathogens are targeted. Swelling and pain are addressed via a flood of electrons which assist a desirable change in pH while at the same time interfering with the pain signal going back to the brain. The change in pH makes for a more "undesirable" environment for the pathogens. The supplements/cream act as a conductive gel. The electronic action assists delivery of these molecules deep into the tissues and are more readily accepted by the tissues because of electroporation. These supplemental molecules are then able to be more easily be utilized by the cells and tissues as a result of the







<sup>&</sup>lt;sup>1</sup> http://www.pulsedtechresearch.com/wp-content/uploads/2015/01/Arthritis-Holman-Dorneanu-Drake.pdf

increased available energies provided and available for the metabolic processes.

This also serves as an example where direct localized contact is typically much better than more expensive radiant plasma application. One should never assume the most expensive instrument is the better selection for a solution to a problem. Careful thought and planning may show otherwise.

## **OTHER GENERAL CONSIDERATIONS AND NOTES**

## • EFFECTIVE ELECTRODE APPLICATIONS:

- It has been noted that the most effective application procedures often place electrodes directly over and behind a tumor where possible. When treating skin cancer, however, the electrodes might be placed side by side, so that the route between them is directly through the target area.
- One should also remember that blood via the circulatory system distributes cancer virus (and free malignant cells infected with viruses) throughout the body.
- So, in order to protect against the spread of future tumors, time should also be taken to use the correct frequencies on the natural energy pathways, (i.e. whole body strategies via hands and feet), which distribute generally to the other parts of the body.

## • A CASE OF PROSTATE CANCER:

- A South American clinic once wrote about a terminal case of prostate cancer that did not respond when the proper frequencies were applied to the hand meridians (typically, the correct location). This indicated that the meridian in the hands were blocked and the frequencies were not reaching the prostate as intended. (Blocked meridians are reportedly most common in prostate, uterine, pancreatic, liver, lung and bowel cancer.)
- Electrodes were then placed directly over and behind the tumor to bypass the blocked meridian and the same frequencies produced dramatic results. The clinic submitted a progress report which stated that the man's PSA (a prostate tumor marker) dropped from 145 to 1.5; a PSA below average for his age group, strongly suggesting that the malignant mass was completely gone.
- This case revealed that it was necessary to bypass the blocked meridian to deliver the frequencies directly to the tumor mass.
- HOW IT WAS DONE:
  - Doctors placed one electrode on the abdomen below the navel, and the other near but not inside the rectum.
  - Frequencies passed through the prostate and bypassed meridians which may have been blocked by various deposits of toxins traveling to and from the urinary bladder.

WE can see that each personal situation is different, unique, and constantly changing, providing both individual challenges and opportunities. Careful thought with diligent personal use under the guidance and monitoring of a skilled practitioner will often provide the user the desired results and success even when or after conventional medicine has failed or has no solution. With these guidelines and understandings, even the most modest user should be able to assemble an effective strategy for successful application.

# Where should I place the unit?



Instrument selection and use is largely a matter of preference and the user's personal needs as well as their lifestyle and living environment.

While direct contact applications DO require the subject to be somewhat "tethered" for the sessions, this does not need to be a major inconvenience. A session can easily occur while performing certain other tasks such as working at the computer, reading, watching TV, or even napping nearby.

The P3 radiant plasma devices remove the need to be tied to the device and allow for a much greater degree of freedom. While being able to be utilized in a similar manner as described above, it additionally allows the ability to freely move around the home or office. Additionally, radiant applications allow multiple people to simultaneously utilize the device. The plasma delivery methods can also be incredibly important and extremely useful in group session environments.

Because a computer is required for scripted operation, an adjacent position nearby is suggested. A notebook or even tablet computer is ideal as they provide a maximum degree of portability and ease of storage.

In any environment, the instruments should be in places that are accessible but not easily interfered with. The plasma devices need adequate ventilation and should not be placed on or near large, solid bodies of metal for best results.

